

ABSTRACT

A system for performing code optimization is described which includes an optimizing analyzer within a compiler to generate a first optimizing transformation and a second optimizing transformation and their satisfying conditions for a compiled code. An optimization transformation module is placed within a linker to determine which of the first and second optimizing transformations should be selected when the compiled code is linked with other compiled codes, and to execute the selected one of the first and second optimizing transformations at link-time. A method of performing code optimization is also described.